PROfile SERIES

# MR16 12V

## Closed Back Machined Fixture
## PM612cb

Catalog #

Type

Project

A machined aluminum track fixture for low voltage MR16 lamps from 20 to 71 watts. For use with RSA Profile Series 60 Amp Busway.

Front loading lamp with bayonet action lens / accessory bezel. Optical accessories are captured in the bezel with a threaded retainer ring preventing accessory spill-out during relamping. Can accommodate up to three optical accessories.

Auto extending / retracting lamp holder. Lamps extend for easy access and automatically retract to optimum position. This is extremely helpful when dealing with varying accessory combinations or differing manufacturer lamp dimensions.

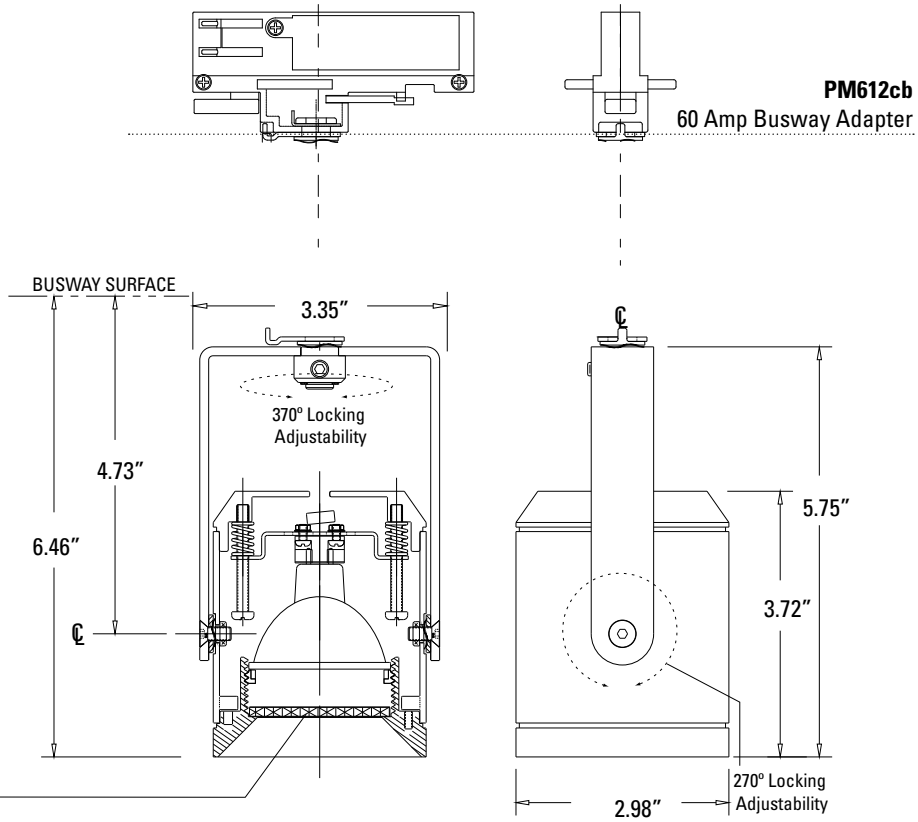
Optical accessories include color filters, UV filters, screens, spread lenses, louvers, hex louvers, snoots. Consult RSA for details.

Locking on both the horizontal and vertical planes. 370º vertical rotation possible due to over-center locking mechanism (60 amp busway only). 270º horizontal locking adjustment.

UL and CUL listed

Clear lens included.

Available in White, Black, Natural Aluminum or custom finishes.




| Closed Back Machined Fixture | Lamp Wattage | | Finish | |
|---|---|---|---|---|
| ❑ **PM612cb** - MR16 for 60 Amp Busway | ❑ **20** | 20 Watt 12V MR16 | ❑ **WH** | White |
| | ❑ **37** | 37 Watt 12V MR16 | ❑ **BK** | Black |
| | ❑ **42** | 42 Watt 12V MR16 | ❑ **AL** | Natural Aluminum |
| | ❑ **50** | 50 Watt 12V MR16 | ❑ **PT** | Custom Finish |
| | ❑ **71** | 71 Watt 12V MR16 | | |

**Ordering Example: PM612cb-50-AL**

c UL us

RSA LIGHTING
www.rsalighting.com

RSA Lighting 9660-9700 Topanga Canyon Blvd. Chatsworth, CA 91311
Toll Free: 800-356-3030 • 818-349-3030 • Fax: 818-349-3031
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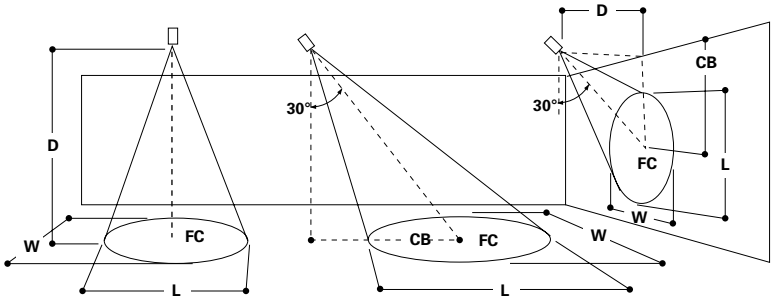
COOPER Lighting
www.cooperlighting.com

## Lamp Performance Data

D = Distance to the horizontal or vertical surface.
FC = Initial footcandles at the center of the beam.
L = Length of the beam where candlepower is reduced to 50% of center beam candlepower.
W = Width of the beam where candlepower is reduced to 50% of center beam candlepower.
CB = Distance to the center of the beam.

Lamp data given is typical and is based on bare lamp performance.
Contact lamp manufacturers for availability and specific performance.
Distance, length and width given in decimal feet.




| | | 0° Aiming Angle Horizontal Footcandles | | | | 30° Aiming Angle Horizontal Footcandles | | | | | 30° Aiming Angle Vertical Footcandles | | | | | 45° Aiming Angle Vertical Footcandles | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D | FC | L | W | D | FC | L | W | CB | D | FC | L | W | CB | D | FC | L | W | CB |
| **MR16 12V Halogen 2-Pin GX5.3** | | | | | | | | | | | | | | | | | | | | |
| Q20 MR16 /C /VNSP7 | GEL | 6 | 215 | 0.7 | 0.7 | 6 | 140 | 0.8 | 0.7 | 3.5 | 2 | 243 | 0.9 | 0.5 | 3.5 | 3 | 304 | 0.7 | 0.4 | 3. |
| Beam Spread = 7° x 7° | | 8 | 121 | 0.9 | 0.9 | 8 | 79 | 1.1 | 1.0 | 4.6 | 3 | 108 | 1.3 | 0.7 | 5.2 | 4 | 171 | 0.9 | 0.8 | 4.0 |
| CBCP = 7,400 | | 10 | 77 | 1.1 | 1.1 | 10 | 50 | 1.2 | 1.2 | 5.8 | 4 | 61 | 1.8 | 0.9 | 6.9 | 5 | 110 | 1.2 | 1.0 | 5.0 |
| Rated Life = 3,000 Hrs. | | 12 | 54 | 1.3 | 1.3 | 12 | 35 | 1.4 | 1.4 | 6.9 | 5 | 39 | 2.2 | 1.2 | 8.7 | 6 | 76 | 1.4 | 1.2 | 6.0 |
| Q20 MR16 /C /NSP15 | GEL | 4 | 237 | 0.9 | 0.9 | 4 | 154 | 1.2 | 1.1 | 2.3 | 1.5 | 263 | 1.1 | 0.6 | 2.6 | 4 | 374 | 0.8 | 0.6 | 2.0 |
| Beam Spread = 15° x 15° | | 6 | 106 | 1.4 | 1.4 | 6 | 69 | 1.8 | 1.6 | 3.5 | 2.0 | 148 | 1.4 | 0.8 | 3.5 | 6 | 166 | 0.9 | 0.9 | 3.0 |
| CBCP = 3,750 | | 8 | 59 | 1.8 | 1.8 | 8 | 39 | 2.4 | 2.2 | 4.6 | 2.5 | 95 | 1.8 | 0.9 | 4.3 | 8 | 94 | 1.2 | 1.2 | 4.0 |
| Rated Life = 5,000 Hrs. | | 10 | 38 | 2.3 | 2.3 | 10 | 25 | 3.0 | 2.7 | 5.8 | 3.0 | 66 | 2.1 | 1.1 | 5.2 | 10 | 60 | 1.5 | 1.5 | 5.0 |
| Q20 MR16 /C /FL40 | GEL | 1.5 | 222 | 1.0 | 1.0 | 1.5 | 163 | 1.1 | 1.1 | 0.9 | 1.0 | 135 | 0.9 | 0.9 | 1.7 | 1.0 | 254 | 0.8 | 1.0 | 1.0 |
| Beam Spread = 40° x 40° | | 2.0 | 125 | 1.3 | 1.3 | 2.0 | 92 | 1.4 | 1.4 | 1.2 | 1.5 | 60 | 1.4 | 1.3 | 2.6 | 1.5 | 113 | 1.1 | 1.5 | 1 |
| CBCP = 525 | | 2.5 | 80 | 1.6 | 1.6 | 2.5 | 59 | 1.8 | 1.8 | 1.4 | 2.0 | 34 | 1.8 | 1.8 | 3.5 | 2.0 | 63 | 1.5 | 2.0 | 2.0 |
| Rated Life = 5,000 Hrs. | | 3.0 | 56 | 2.0 | 2.0 | 3.0 | 41 | 2.1 | 2.1 | 1.7 | 2.5 | 22 | 2.3 | 2.3 | 4.3 | 2.5 | 41 | 1.9 | 2.5 | 2.5 |
| Q35 MR16 /C /SP20 | GEL | 3 | 356 | 1.0 | 1.0 | 3 | 231 | 1.3 | 1.1 | 1.7 | 1.5 | 223 | 1.4 | 0.9 | 2.6 | 2 | 305 | 1.2 | 0.9 | 2.0 |
| Beam Spread = 20° x 20° | | 4 | 200 | 1.3 | 1.3 | 4 | 130 | 1.7 | 1.5 | 2.3 | 2.0 | 126 | 1.9 | 1.1 | 3.5 | 3 | 136 | 1.7 | 1.3 | 3.0 |
| CBCP = 3,200 | | 5 | 128 | 1.6 | 1.6 | 5 | 83 | 2.1 | 1.9 | 2.9 | 2.5 | 80 | 2.4 | 1.4 | 4.3 | 4 | 76 | 2.3 | 1.8 | 4.0 |
| Rated Life = 5,000 Hrs. | | 6 | 89 | 1.9 | 1.9 | 6 | 58 | 2.6 | 2.2 | 3.5 | 3.0 | 56 | 2.8 | 1.7 | 5.2 | 5 | 49 | 2.9 | 2.2 | 5.0 |
| Q35 MR16 /C /FL40 | GEL | 2 | 262 | 1.2 | 1.2 | 2 | 204 | 1.3 | 1.2 | 1.2 | 1.0 | 253 | 0.9 | 0.8 | 1.7 | 1.5 | 235 | 1.2 | 1.0 | 1.5 |
| Beam Spread = 40° x 40° | | 3 | 116 | 1.8 | 1.8 | 3 | 91 | 2.0 | 1.8 | 1.7 | 1.5 | 112 | 1.4 | 1.2 | 2.6 | 2.0 | 132 | 1.5 | 1.3 | 2.0 |
| CBCP = 1,000 | | 4 | 65 | 2.3 | 2.3 | 4 | 51 | 2.6 | 2.4 | 2.3 | 2.0 | 63 | 1.8 | 1.7 | 3.5 | 2.5 | 85 | 1.9 | 1.7 | 2.5 |
| Rated Life = 5,000 Hrs. | | 5 | 42 | 2.9 | 2.9 | 5 | 33 | 3.3 | 3.0 | 2.9 | 2.5 | 40 | 2.3 | 2.1 | 4.3 | 3.0 | 59 | 2.3 | 2.0 | 3.0 |
| Q42 MR16 /C /VNSP9 | GEL | 6 | 347 | 0.8 | 0.8 | 6 | 226 | 1.0 | 0.9 | 3.5 | 2 | 415 | 1.0 | 0.6 | 3.5 | 4 | 276 | 1.1 | 0.7 | 4.0 |
| Beam Spread = 9° x 9° | | 8 | 195 | 1.0 | 1.0 | 8 | 127 | 1.4 | 1.2 | 4.6 | 3 | 185 | 1.5 | 0.8 | 5.2 | 5 | 177 | 1.4 | 0.9 | 5.0 |
| CBCP = 12,500 | | 10 | 125 | 1.3 | 1.3 | 10 | 81 | 1.7 | 1.4 | 5.8 | 4 | 104 | 2.0 | 1.1 | 6.9 | 6 | 123 | 1.7 | 1.1 | 6.0 |
| Rated Life = 3,500 Hrs. | | 12 | 87 | 1.5 | 1.5 | 12 | 56 | 2.1 | 1.7 | 6.9 | 5 | 66 | 2.6 | 1.4 | 8.7 | 7 | 90 | 2.0 | 1.3 | 7.0 |
| Q50 MR16 /C /NSP15 | GEL | 6 | 264 | 1.5 | 1.5 | 6 | 171 | 1.9 | 1.7 | 3.5 | 2 | 361 | 1.5 | 1.5 | 3.5 | 4 | 229 | 1.7 | 1.2 | 4. |
| Beam Spread = 15° x 15° | | 8 | 148 | 1.9 | 1.9 | 8 | 96 | 2.5 | 2.2 | 4.6 | 3 | 160 | 2.3 | 2.3 | 5.2 | 5 | 147 | 2.1 | 1.6 | 5.0 |
| CBCP = 9,500 | | 10 | 95 | 2.4 | 2.4 | 10 | 62 | 3.1 | 2.8 | 5.8 | 4 | 90 | 3.0 | 3.0 | 6.9 | 6 | 102 | 2.5 | 1.9 | 6.0 |
| Rated Life = 6,000 Hrs. | | 12 | 66 | 2.9 | 2.9 | 12 | 43 | 3.7 | 3.3 | 6.9 | 5 | 58 | 3.8 | 3.8 | 8.7 | 7 | 75 | 3.0 | 2.2 | 7.0 |
| Q50 MR16 /C /NFL25 | GEL | 3 | 322 | 1.2 | 1.2 | 3 | 212 | 1.6 | 1.4 | 1.7 | 1.5 | 220 | 1.7 | 1.1 | 2.6 | 2 | 282 | 1.4 | 1.1 | 2.0 |
| Beam Spread = 25° x 25° | | 4 | 181 | 1.7 | 1.7 | 4 | 119 | 2.1 | 1.9 | 2.3 | 2.0 | 124 | 2.2 | 1.4 | 3.5 | 3 | 125 | 2.2 | 1.7 | 3.0 |
| CBCP = 3,000 | | 5 | 116 | 2.1 | 2.1 | 5 | 76 | 2.7 | 2.4 | 2.9 | 2.5 | 79 | 2.8 | 1.8 | 4.3 | 4 | 70 | 2.9 | 2.3 | 4. |
| Rated Life = 6,000 Hrs. | | 6 | 81 | 2.5 | 2.5 | 6 | 53 | 3.2 | 2.9 | 3.5 | 3.0 | 55 | 3.3 | 2.2 | 5.2 | 5 | 45 | 3.6 | 2.8 | 5.0 |
| Q50 MR16 /C /FL40 | GEL | 3 | 213 | 2.0 | 2.0 | 3 | 181 | 2.1 | 2.0 | 1.7 | 1.5 | 259 | 1.1 | 1.3 | 2.6 | 2 | 274 | 1.3 | 1.5 | 2.0 |
| Beam Spread = 40° x 40° | | 4 | 120 | 2.7 | 2.7 | 4 | 102 | 2.8 | 2.7 | 2.3 | 2.0 | 146 | 1.5 | 1.7 | 3.5 | 3 | 122 | 2.0 | 2.3 | 3. |
| CBCP = 1,700 | | 5 | 77 | 3.4 | 3.4 | 5 | 65 | 3.5 | 3.4 | 2.9 | 2.5 | 93 | 1.9 | 2.2 | 4.3 | 4 | 68 | 2.6 | 3.0 | 4.0 |
| Rated Life = 6,000 Hrs. | | 6 | 53 | 4.0 | 4.0 | 6 | 45 | 4.2 | 4.1 | 3.5 | 3.0 | 65 | 2.3 | 2.6 | 5.2 | 5 | 44 | 3.3 | 3.8 | 5.0 |
| Q71 MR16 /C /NSP15 | GEL | 6 | 306 | 1.6 | 1.8 | 6 | 198 | 2.0 | 1.8 | 3.5 | 3 | 194 | 2.3 | 1.3 | 5.2 | 4 | 276 | 1.8 | 1.3 | 4.0 |
| Beam Spread = 15° x 15° | | 8 | 172 | 2.2 | 2.4 | 8 | 112 | 2.6 | 2.4 | 4.6 | 4 | 109 | 3.1 | 1.8 | 6.9 | 6 | 123 | 2.7 | 1.9 | 6.0 |
| CBCP = 11,000 | | 10 | 110 | 2.7 | 3.0 | 10 | 71 | 3.3 | 3.0 | 5.8 | 5 | 70 | 3.9 | 2.2 | 8.7 | 8 | 69 | 3.6 | 2.6 | 8.0 |
| Rated Life = 4,000 Hrs. | | 12 | 76 | 3.2 | 3.6 | 12 | 50 | 3.9 | 3.6 | 6.9 | 6 | 48 | 4.7 | 2.7 | 10.4 | 10 | 44 | 4.5 | 3.2 | 10.0 |
| Q71 MR16 /C /NFL25 | GEL | 4 | 309 | 1.7 | 1.7 | 4 | 223 | 2.1 | 1.9 | 2.3 | 2 | 257 | 1.7 | 1.3 | 3.5 | 3 | 256 | 1.9 | 1.5 | 3.0 |
| Beam Spread = 25° x 25° | | 6 | 137 | 2.5 | 2.5 | 6 | 99 | 3.1 | 2.8 | 3.5 | 3 | 114 | 2.5 | 1.9 | 5.2 | 4 | 144 | 2.6 | 2.1 | 4.0 |
| CBCP = 4,950 | | 8 | 77 | 3.4 | 3.4 | 8 | 56 | 4.1 | 3.7 | 4.6 | 4 | 64 | 3.4 | 2.6 | 6.9 | 5 | 92 | 3.2 | 2.6 | 5.0 |
| Rated Life = 4,000 Hrs. | | 10 | 49 | 4.2 | 4.2 | 10 | 36 | 5.2 | 4.6 | 5.8 | 5 | 41 | 4.2 | 3.2 | 8.7 | 6 | 64 | 3.9 | 3.1 | 6.0 |
| Q71 MR16 /C /FL40 | GEL | 3 | 236 | 2.1 | 2.1 | 3 | 200 | 2.2 | 2.1 | 1.7 | 1.5 | 286 | 1.2 | 1.3 | 2.6 | 2 | 301 | 1.4 | 1.5 | 2.0 |
| Beam Spread = 40° x 40° | | 4 | 133 | 2.8 | 2.8 | 4 | 112 | 2.9 | 2.8 | 2.3 | 2.0 | 161 | 1.6 | 1.8 | 3.5 | 3 | 134 | 2.2 | 2.3 | 3.0 |
| CBCP = 2,000 | | 5 | 85 | 3.4 | 3.4 | 5 | 72 | 3.6 | 3.5 | 2.9 | 2.5 | 103 | 2.0 | 2.2 | 4.3 | 4 | 75 | 2.9 | 3.1 | 4.0 |
| Rated Life = 4,000 Hrs. | | 6 | 59 | 4.1 | 4.1 | 6 | 50 | 4.4 | 4.2 | 3.5 | 3.0 | 71 | 2.5 | 2.6 | 5.2 | 5 | 48 | 3.6 | 3.8 | 5.0 |

| Optivex UV Filter | Red Color Filter | Blue Color Filter | Amber Color Filter | Cosmetic Peach 2800K Filter | Milk White Lens | Diffusion Spread Lens | Linear Spread Lens |
|---|---|---|---|---|---|---|---|
| **LN25** | **LN26** | **LN27** | **LN29** | **CP16** | **LN24** | **LN21** | **LN23** |
| Prismatic Spread Lens | 20% Reduction Screen | 30% Reduction Screen | 40% Reduction Screen | Hex Cell Louver | Cross Baffle | Snoot | |
| **LN22** | **RS2016** | **RS3016** | **RS4016** | **LN20** | **CB16** | **SN16** | |